

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013024.D
 Acq On : 09 Dec 2020 22:33
 Operator : CG/JU
 Sample : L4941-09
 Misc :
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0B21

Quant Time: Dec 10 01:00:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 10 00:40:41 2020
 Response via : Initial Calibration

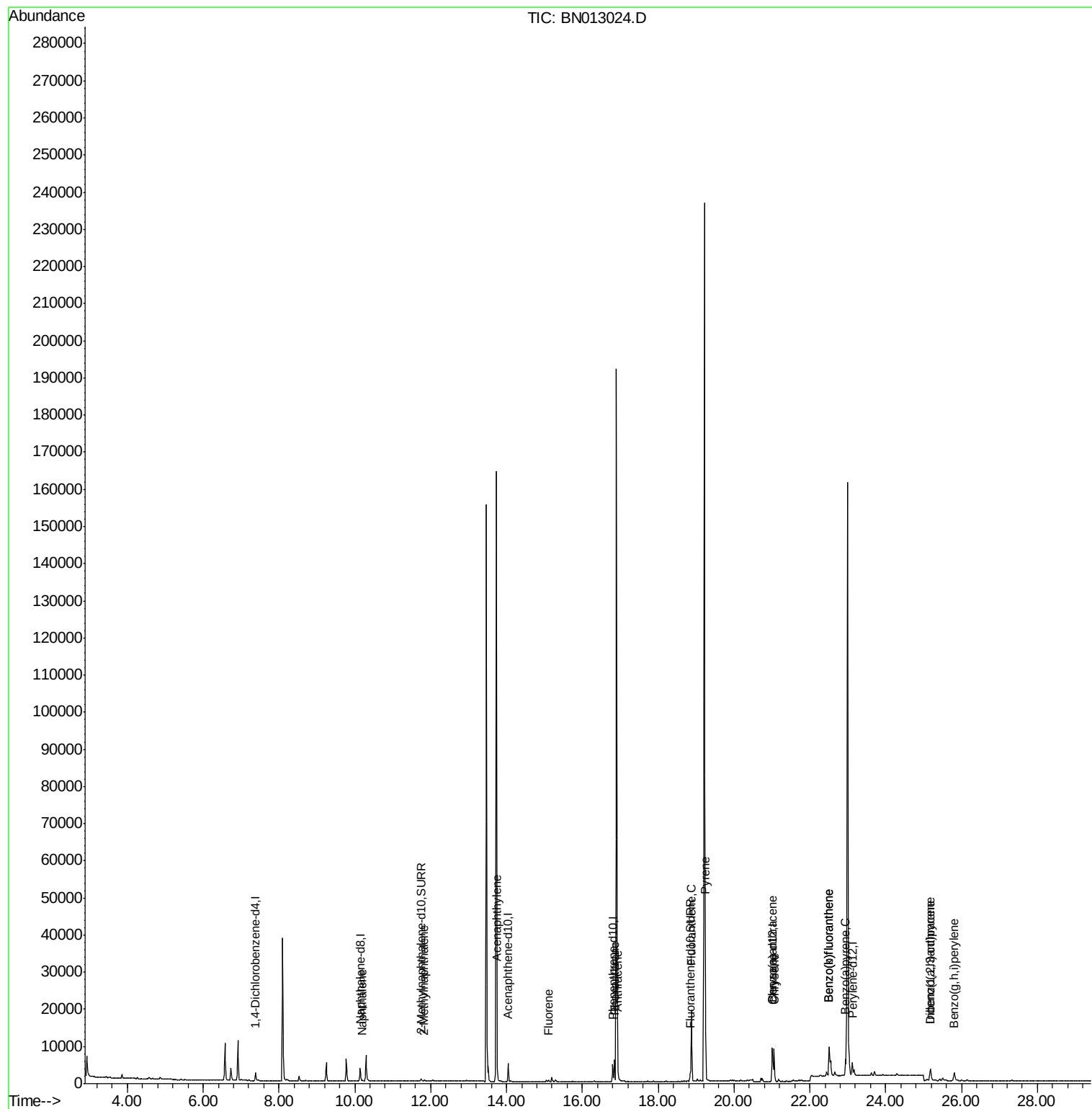
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1055	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	4456	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2530	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	5389	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	4206	0.40	ng/ul	-0.01
20) Perylene-d12	23.12	264	4001	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1086	0.16	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	2368	0.16	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.19	128	462	0.036	ng/ul#	78
5) 2-Methylnaphthalene	11.82	142	298	0.035	ng/ul	96
7) Acenaphthylene	13.76	152	666	0.056	ng/ul#	87
9) Fluorene	15.11	166	238	0.021	ng/ul#	89
12) Phenanthrene	16.84	178	6162	0.341	ng/ul	98
13) Anthracene	16.94	178	1118	0.073	ng/ul#	92
15) Fluoranthene	18.88	202	16349	0.761	ng/ul	98
17) Pyrene	19.24	202	15564	0.783	ng/ul	96
18) Benzo(a)anthracene	21.01	228	6984	0.401	ng/ul	99
19) Chrysene	21.06	228	8572	0.446	ng/ul	99
21) Benzo(b)fluoranthene	22.50	252	15696	0.848	ng/ul	93
22) Benzo(k)fluoranthene	22.50	252	15696	0.767	ng/ul#	94
23) Benzo(a)pyrene	22.95	252	3623	0.211	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.18	276	4948	0.219	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.18	278	1210	0.068	ng/ul#	58
26) Benzo(a,h,i)perylene	25.81	276	4301	0.211	ng/ul	96

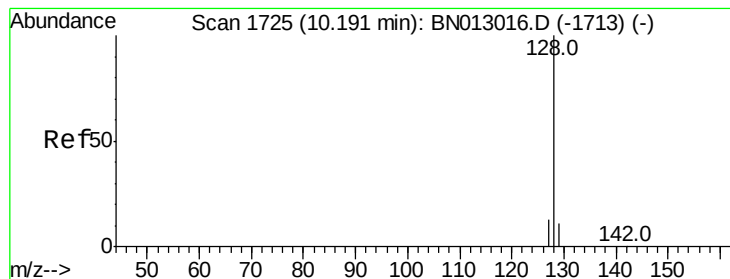
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN013024.D
Acq On : 09 Dec 2020 22:33
Operator : CG/JU
Sample : L4941-09
Misc :
ALS Vial : 94 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0B21

Quant Time: Dec 10 01:00:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 10 00:40:41 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.19 min Scan# 1725

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

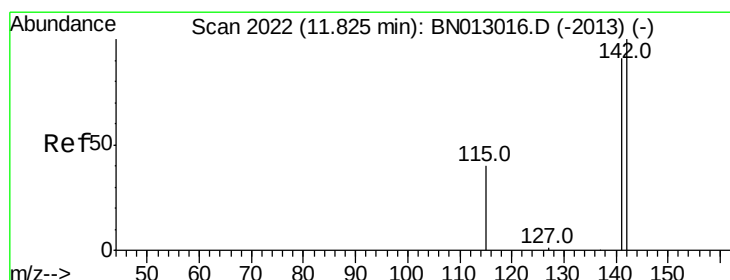
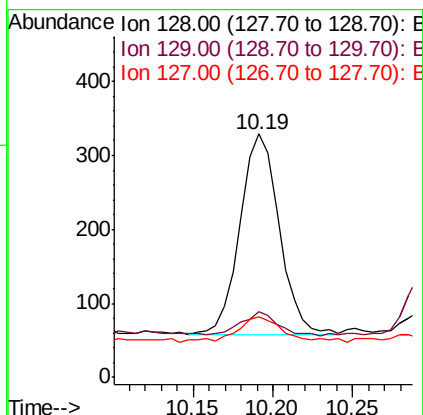
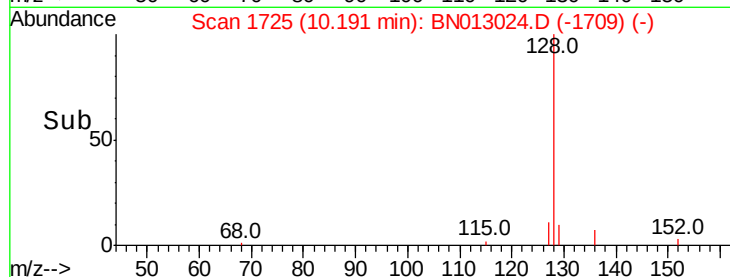
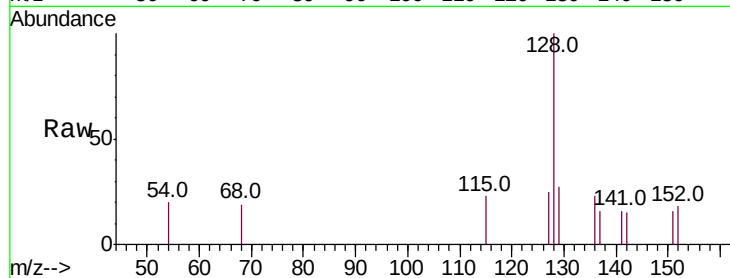
Tot Ion:128 Resp: 462

Ion Ratio Lower Upper

128 100

129 27.1 12.3 18.5#

127 24.9 14.2 21.4#



#5

2-Methylnaphthalene

Concen: 0.035 ng/ul

RT: 11.82 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BN013024.D

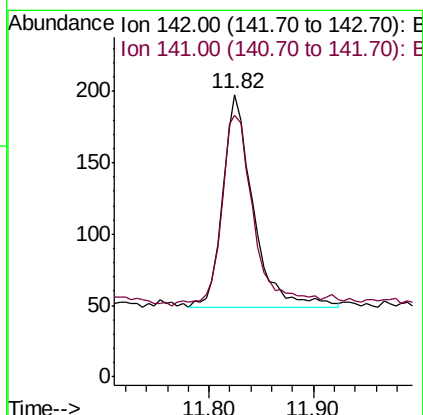
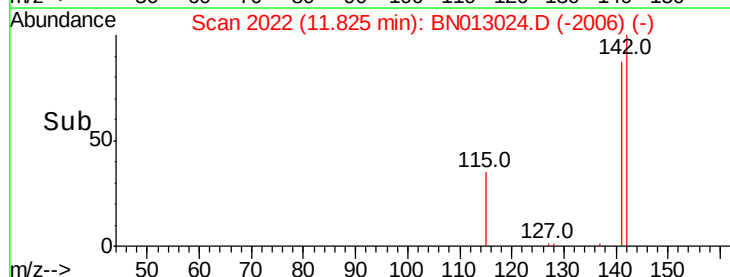
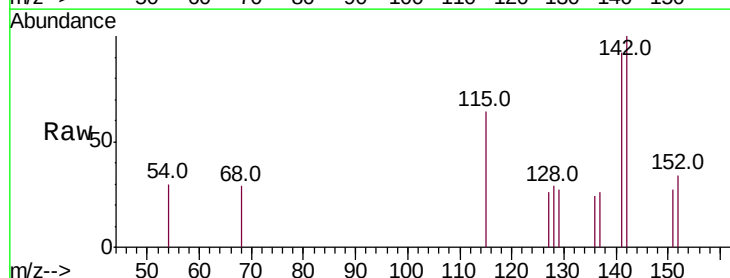
Acq: 09 Dec 2020 22:33

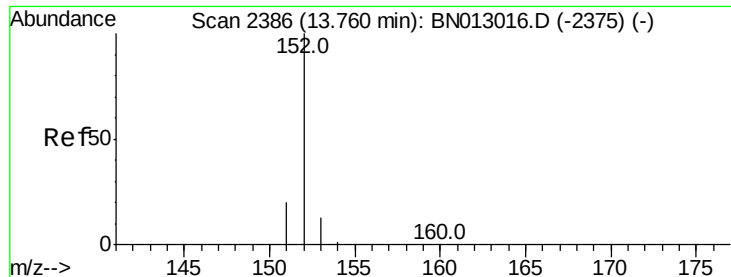
Tgt Ion:142 Resp: 298

Ion Ratio Lower Upper

142 100

141 95.3 73.0 109.6





#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.76 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

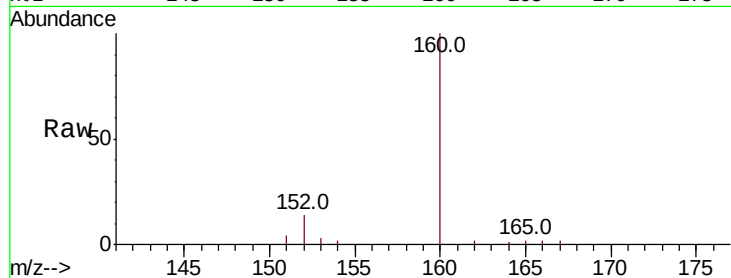
Tot Ion:152 Resp: 666

Ion Ratio Lower Upper

152 100

151 28.7 18.2 27.4#

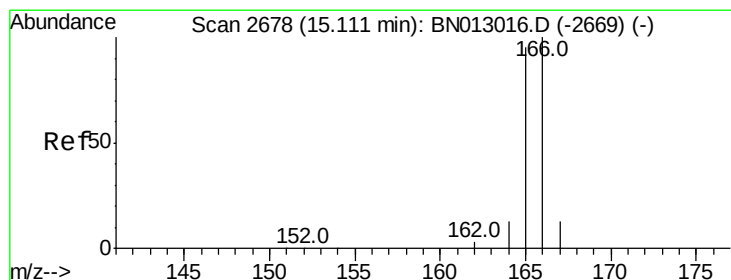
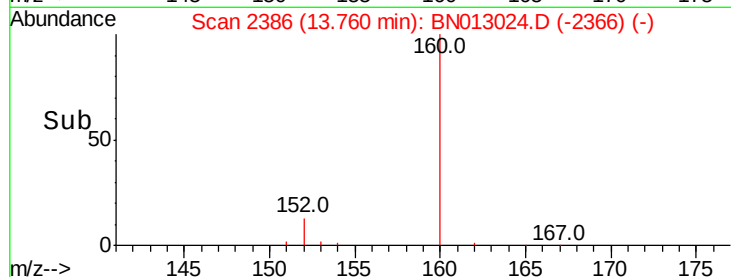
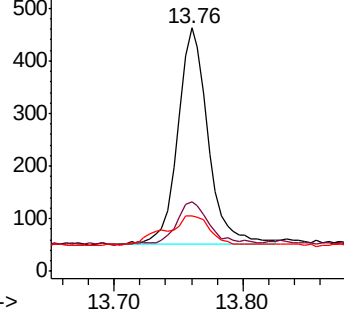
153 22.9 13.1 19.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#9

Fluorene

Concen: 0.021 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

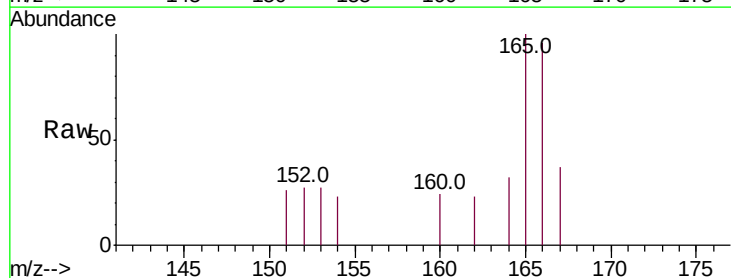
Tgt Ion:166 Resp: 238

Ion Ratio Lower Upper

166 100

165 104.2 79.8 119.8

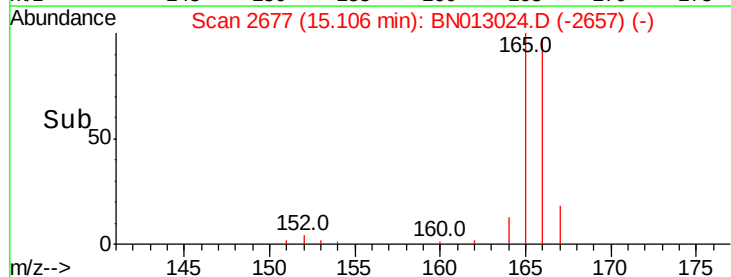
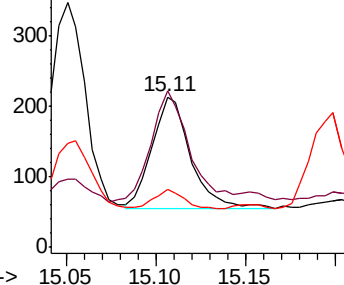
167 38.5 13.8 20.8#

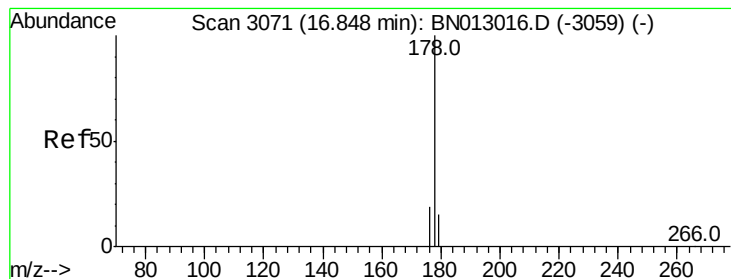


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.341 ng/ul

RT: 16.84 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

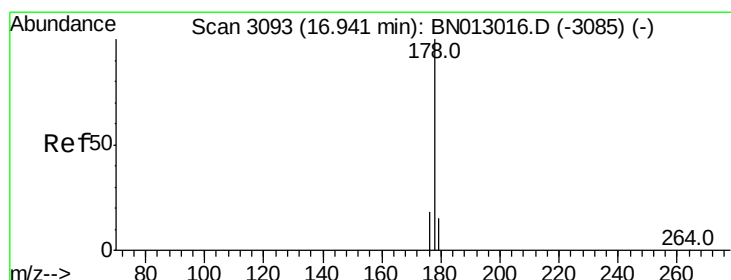
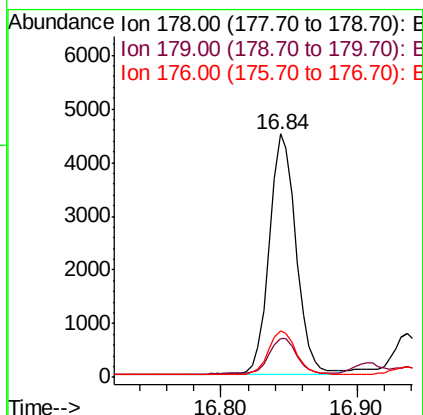
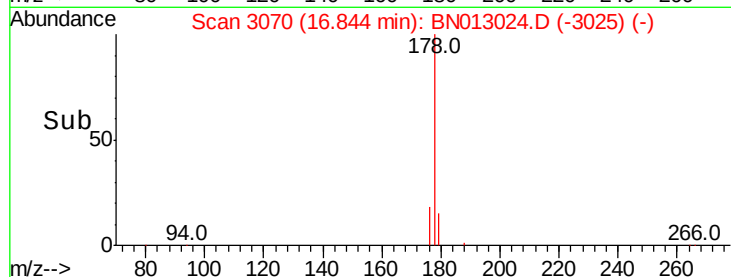
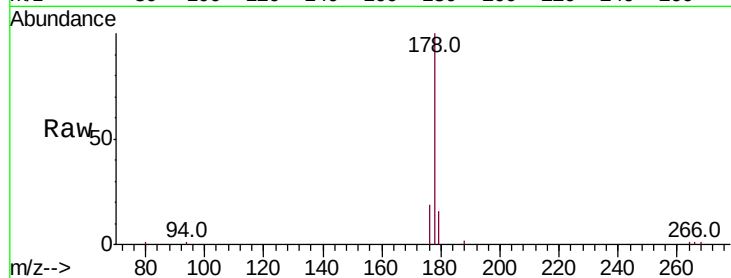
Tot Ion:178 Resp: 6162

Ion Ratio Lower Upper

178 100

179 16.2 13.6 20.4

176 19.3 16.4 24.6



#13

Anthracene

Concen: 0.073 ng/ul

RT: 16.94 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

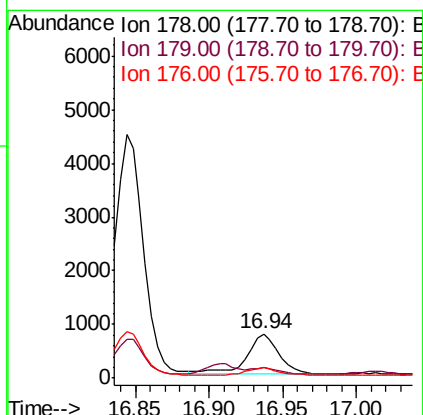
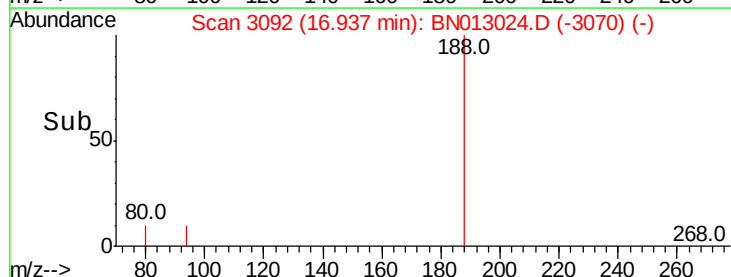
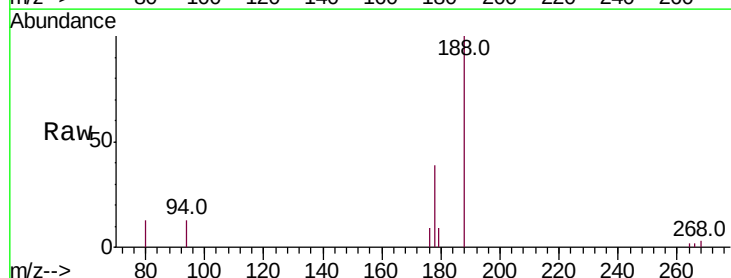
Tgt Ion:178 Resp: 1118

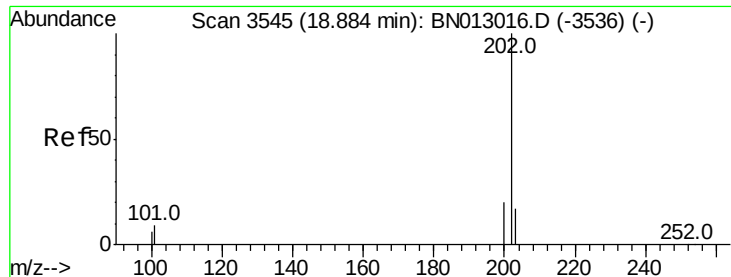
Ion Ratio Lower Upper

178 100

179 23.2 14.6 21.8#

176 23.9 17.1 25.7





#15

Fluoranthene

Concen: 0.761 ng/ul

RT: 18.88 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

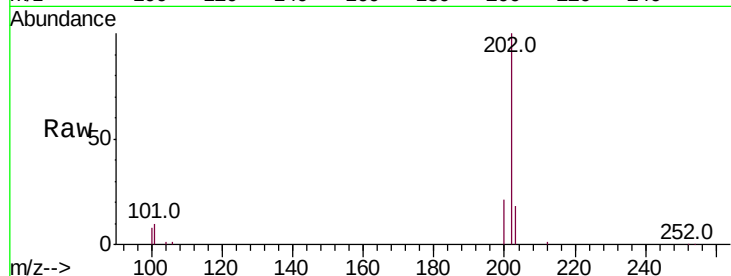
Tot Ion:202 Resp: 16349

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.6

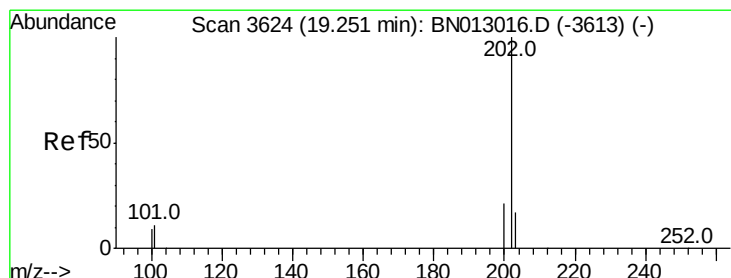
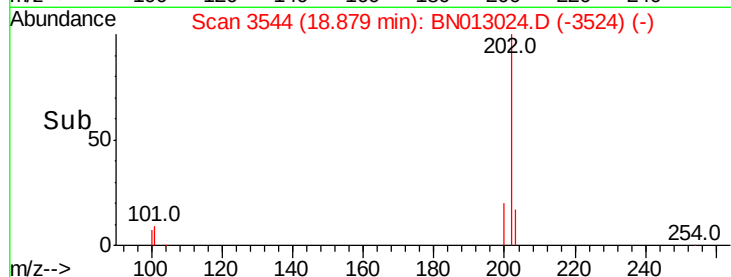
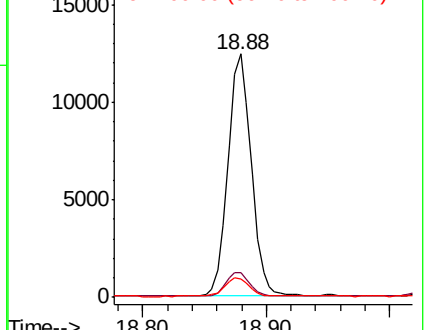
100 7.8 0.0 28.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.783 ng/ul

RT: 19.24 min Scan# 3622

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

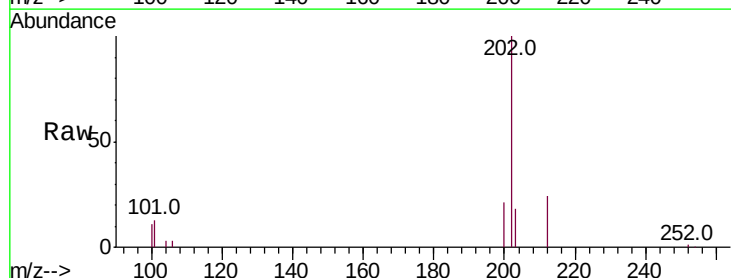
Tgt Ion:202 Resp: 15564

Ion Ratio Lower Upper

202 100

101 12.6 9.1 13.7

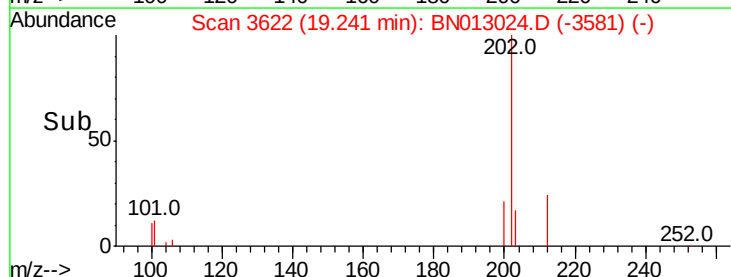
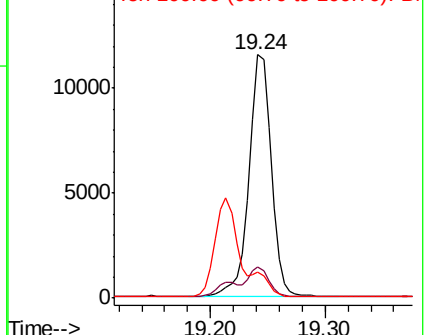
100 10.9 7.5 11.3

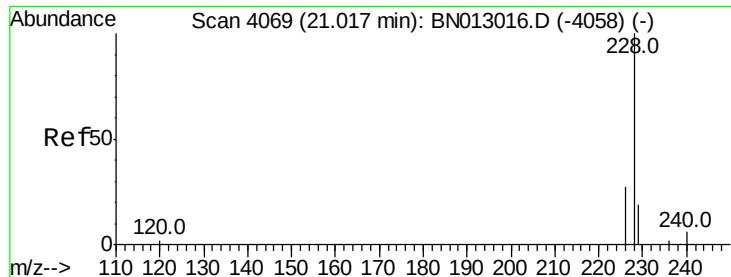


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.401 ng/ul

RT: 21.01 min Scan# 4066

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

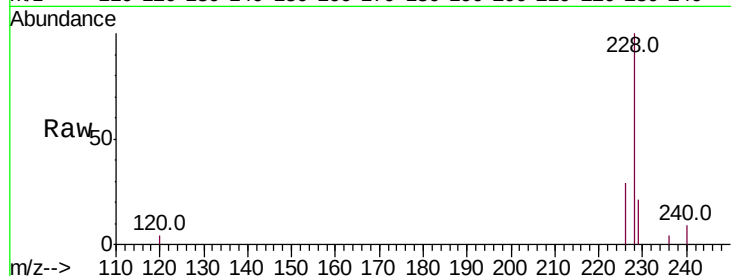
Tot Ion:228 Resp: 6984

Ion Ratio Lower Upper

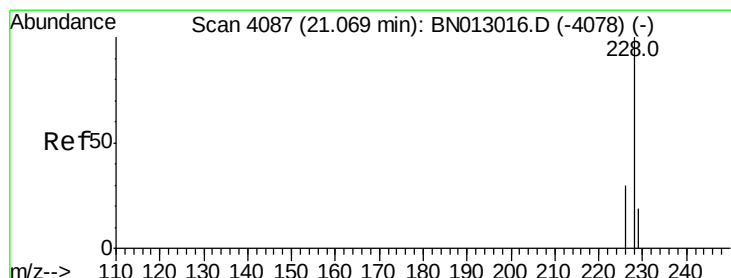
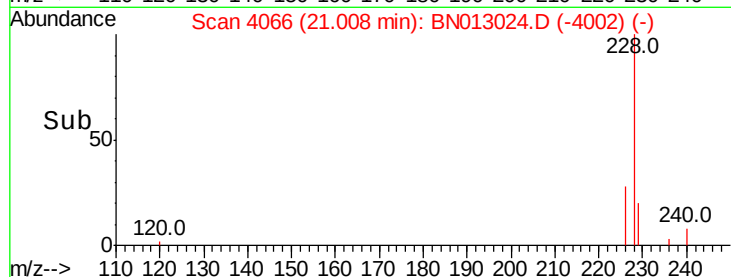
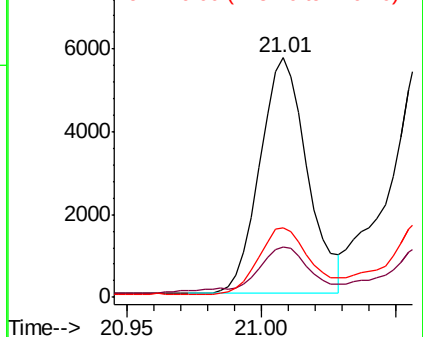
228 100

229 21.2 16.3 24.5

226 29.3 23.4 35.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.446 ng/ul

RT: 21.06 min Scan# 4084

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

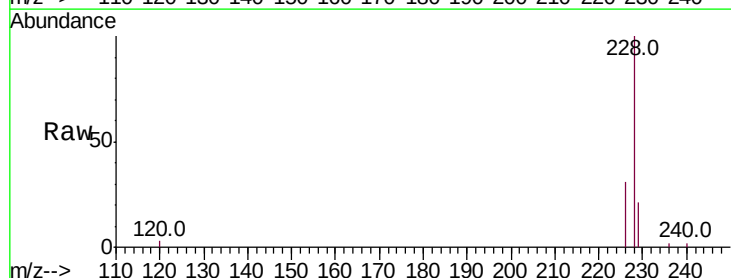
Tgt Ion:228 Resp: 8572

Ion Ratio Lower Upper

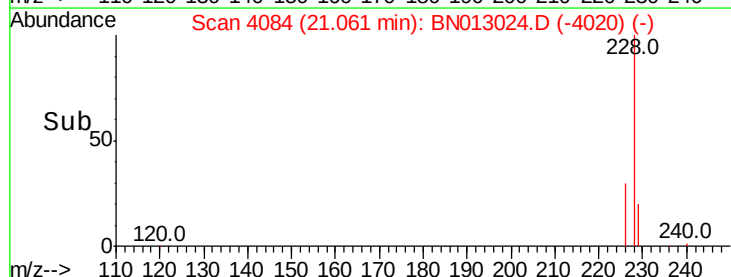
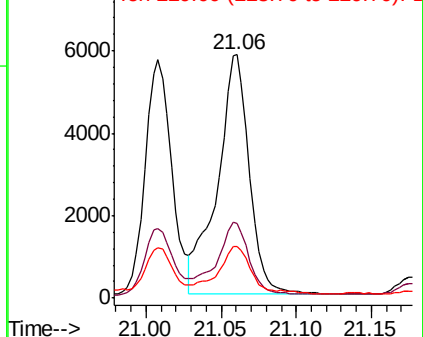
228 100

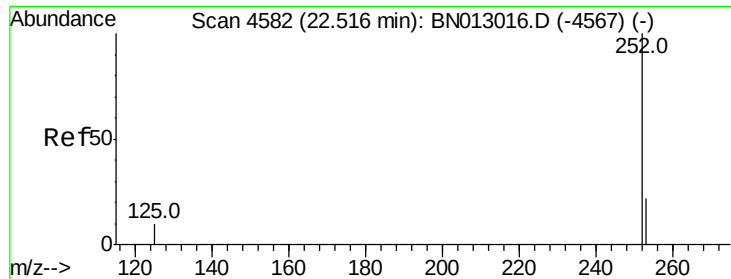
226 30.7 25.0 37.6

229 21.3 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.848 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

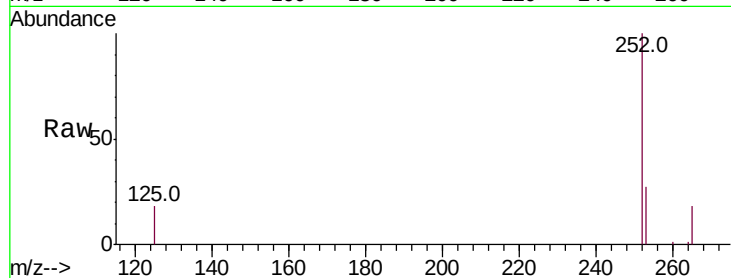
Tot Ion:252 Resp: 15696

Ion Ratio Lower Upper

252 100

253 26.9 0.0 59.6

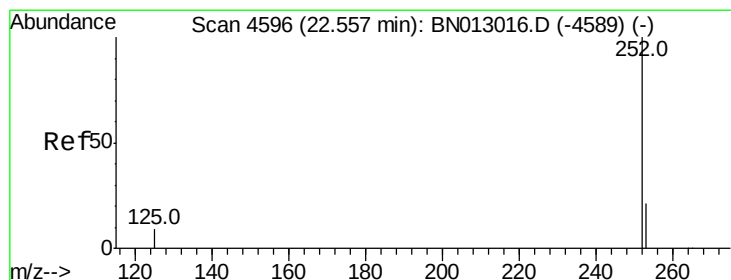
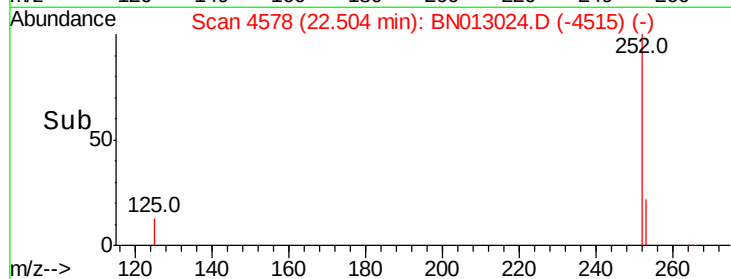
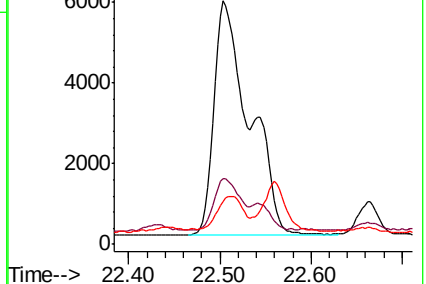
125 17.7 0.0 26.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.767 ng/ul

RT: 22.50 min Scan# 4578

Delta R.T. -0.06 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

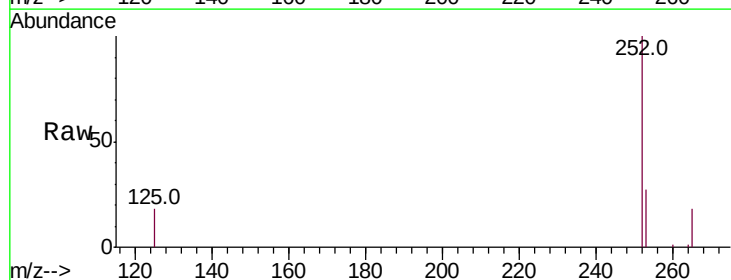
Tgt Ion:252 Resp: 15696

Ion Ratio Lower Upper

252 100

253 26.9 23.4 35.2

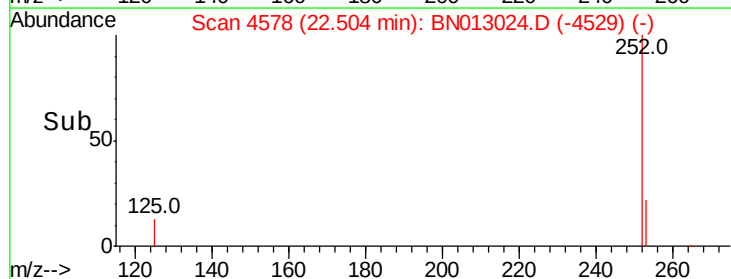
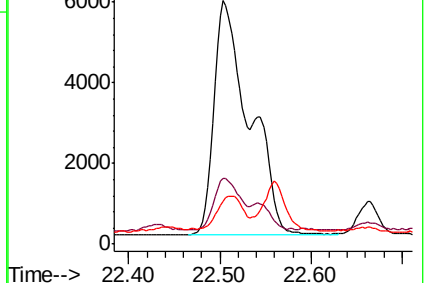
125 17.7 11.1 16.7#

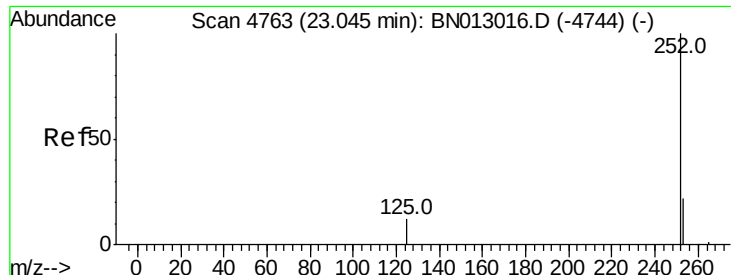


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.211 ng/ul

RT: 22.95 min Scan# 4729

Delta R.T. -0.10 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

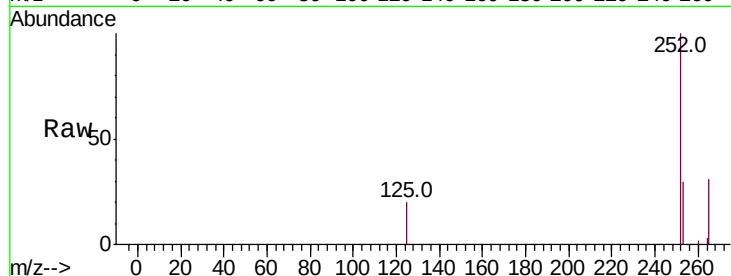
Tot Ion:252 Resp: 3623

Ion Ratio Lower Upper

252 100

253 30.3 26.5 39.7

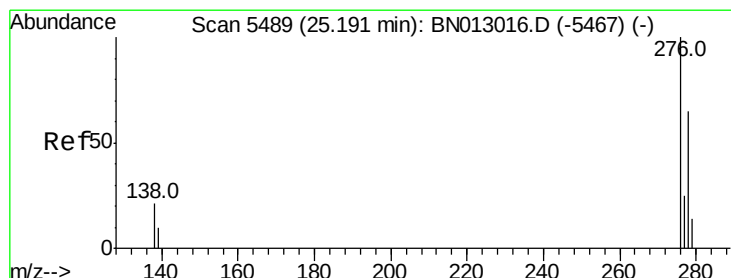
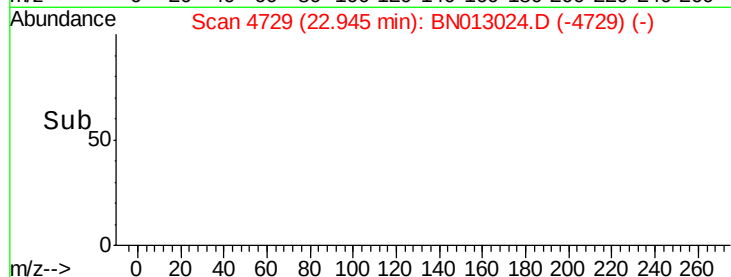
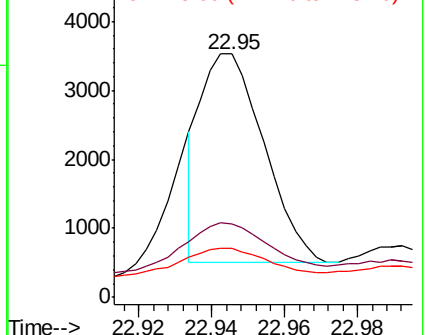
125 20.3 14.2 21.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.219 ng/ul

RT: 25.18 min Scan# 5485

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

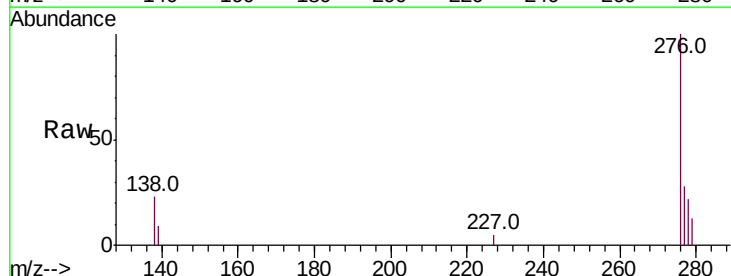
Tgt Ion:276 Resp: 4948

Ion Ratio Lower Upper

276 100

138 19.4 16.2 24.2

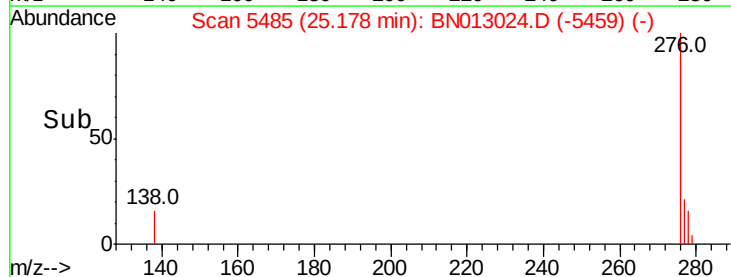
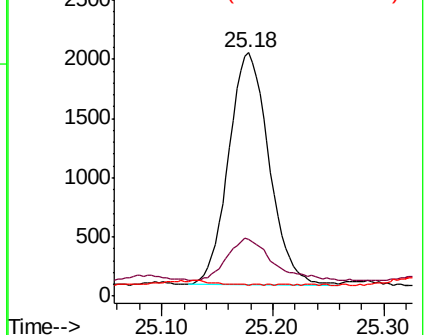
227 0.1 0.0 0.0#

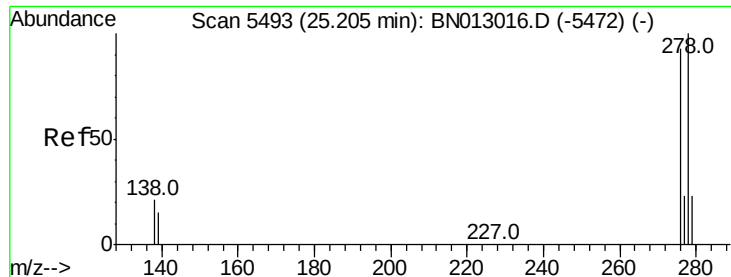


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.068 ng/ul

RT: 25.18 min Scan# 5486

Delta R.T. -0.03 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

Instrument :

BNA_N

ClientSampleId :

C0B21

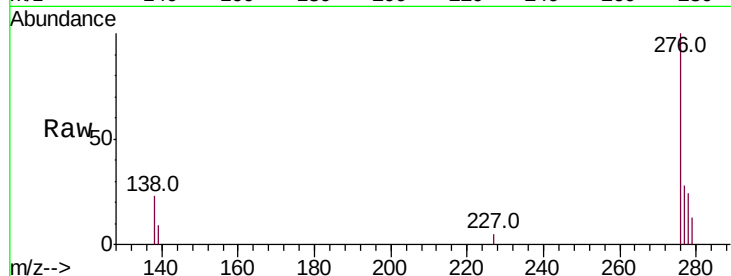
Tot Ion:278 Resp: 1210

Ion Ratio Lower Upper

278 100

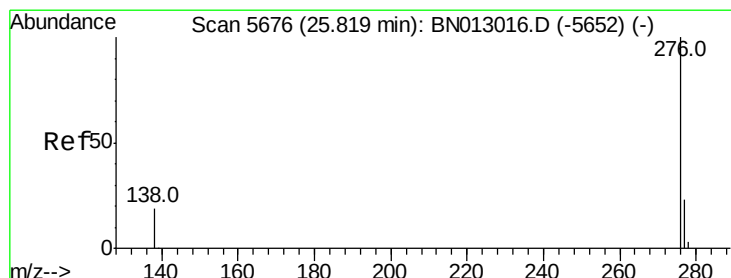
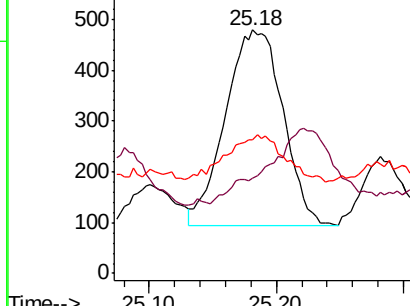
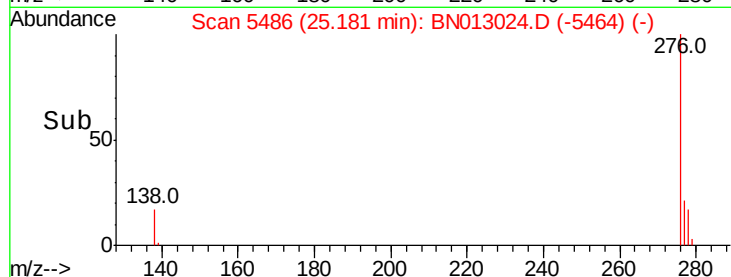
139 39.0 14.5 21.7#

279 54.9 26.3 39.5#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

25.18



#26

Benzo(g,h,i)perylene

Concen: 0.211 ng/ul

RT: 25.81 min Scan# 5673

Delta R.T. -0.01 min

Lab File: BN013024.D

Acq: 09 Dec 2020 22:33

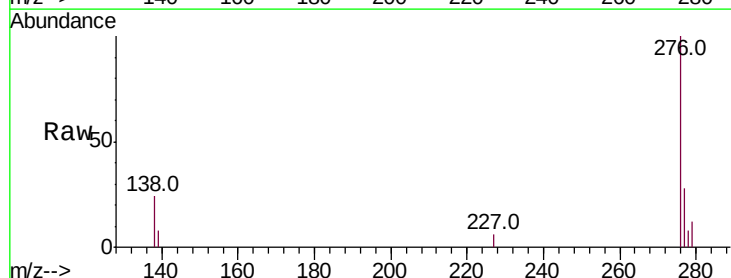
Tgt Ion:276 Resp: 4301

Ion Ratio Lower Upper

276 100

138 23.7 16.3 24.5

277 28.1 21.8 32.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

25.81

